

**METHOD AND SYSTEM FOR THREE-DIMENSIONAL FEATURE
ATTRIBUTION THROUGH SYNERGY OF RATIONAL POLYNOMIAL
COEFFICIENTS AND PROJECTIVE GEOMETRY**

ABSTRACT OF THE DISCLOSURE

A method is provided for generating height information for an arbitrary-image point on a rectified image and for generating a representation of the rectified image that includes the height information. According to an exemplary embodiment, height information is generated for an arbitrary-image point on the rectified image from first and second aerial images having respective first and second sets of rational polynomial coefficients (RPCs) and projective geometrical relationships, such that the first and second aerial images and the rectified image include overlapping image locations.

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